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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Qi-Feng Ma
Appl. No. : 10/662,687
Filed : 09/15/2003
For : CURVED-FILM MOLD FOR PREPARATION OF
ELECTROPHORESIS GELS
Group Art Unit: 1753
Examiner : KaJ K. Olsen

AMENDMENT & RESPONSE TO RESTRICTION REQUIREMENT

Assistant Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated December 8, 2006, the applicant makes corresponding amendment to the claim section.

Please amend the claims as follows

1. (Amended) A gel apparatus for electrophoresis comprising a curved gel mold and a gel medium, said gel mold having a curved front film, a curved 4-sided middle frame, and a curved rear film wherein said front film, said middle frame, and said rear film bend to the same direction with the same degree of curvature and share the same size;

wherein said front film and said rear film are spaced apart by said middle frame and bound to said middle frame at their periphery, forming a curved rectangular cassette having opposing top and bottom ends, two lateral sides, a front face, a back face, and a chamber in-between said films;

wherein said chamber is for receiving said gel medium and has a first opening in said front film approximate to the top end of said cassette and a second opening in said rear film approximate to the bottom end of said cassette, said first opening being formed by cutting an aperture in said front film, said second opening being constructed into at least one hole in said rear film, said gel medium in said chamber extending from said